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SONY BRAVIA KD-85X8 J SERIES REFERENCE MANUAL

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SONY

5-024-935-**12**(1)

5024935121

Television

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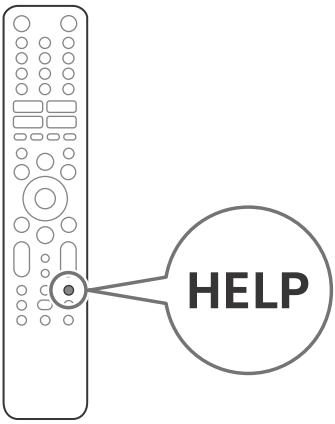


BRAVIA

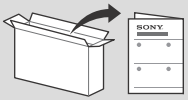
KD-85X8xJ / 85X8xTJ / 75X8xJ / 75X8xTJ / 65X8xJ / 65X8xTJ / 55X8xJ / 55X8xTJ /
KD-50X8xJ / 50X8xTJ / 43X8xJ / 43X8xTJ

About Manuals

This TV comes with the following manuals. Please retain the manuals for future reference.

Setup Guide

- TV installation and setup.

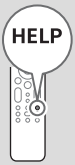


Reference Guide (this manual) / Safety Documentation

- Safety information, remote control, troubleshooting, wall-mount installation, specification, etc.

Help Guide (On screen Manual)

- Settings, functions, Internet connection, troubleshooting, etc.
- To open it, press the **HELP** button on the remote control and select Help Guide.



- You can refer to the Help Guide with your smartphone.

https://rd1.sony.net/help/tv/iaep1/h_aep/

Setting menus are subject to change without notice.

IMPORTANT - Read the End User Software Licence Agreement before using your Sony product. Using your product indicates your acceptance of the End User Software Licence Agreement. The software licence agreement between you and Sony is available online at Sony website (https://www.sony.net/tv-software-licenses/) or on your product screen. Press ✿ (Quick Settings) on the remote control and select [Settings] → [System] → [About] → [Legal information] → [Notices and licences].

Note

- Before operating the TV, please read the “Safety Information”.
- Read the supplied safety documentation for additional safety information.
- Images and illustrations used in the Setup Guide and this manual are for reference only and may differ from the actual product.
- The “x”/“xx” that appears in the model name corresponds to a numeric digit, related to design, colour or TV system.

Location of the identification label

Labels for the TV Model No., Production Date (year/month)* and Power Supply rating are located on the rear of the TV or package.

* Only on limited region/country/TV model.

IMPORTANT NOTICE

Notice for Radio Equipment

Hereby, Sony Corporation declares that the radio equipment types KD-85X85J, KD-75X89J, KD-75X85J, KD-65X89J, KD-65X85J, KD-55X89J, KD-55X85J, KD-50X89J, KD-50X85J, KD-43X89J, KD-43X85J are in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:
https://compliance.sony.eu

Hereby, Sony Corporation declares that the radio equipment types KD-85X85J, KD-75X89J, KD-75X85J, KD-65X89J, KD-65X85J, KD-55X89J, KD-55X85J, KD-50X89J, KD-50X85J, KD-43X89J, KD-43X85J are in compliance with the UK relevant statutory requirements. The full text of the declaration of conformity is available at the following internet address:
https://compliance.sony.co.uk

For this radio equipment, the following restrictions on putting into service or of requirements for authorization of use apply in AT, BE, HR, CY, CZ, DK, EE, FI, FR, DE, EL, HU, IE, IT, LV, LT, LU, MT, NL, PL, PT, SK, SI, ES, SE, UK, UK (NI), IS, LI, NO, CH, BG, RO, TR, AL, BA, MK, MD, RS, ME, Kosovo :
5150 - 5350 MHz band is restricted to indoor operations only.

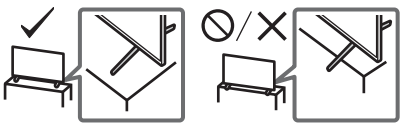
Safety Information

Installation/Set-up

Install and use the TV set in accordance with the instructions below in order to avoid any risk of fire, electric shock or damage and/or injuries.

Installation

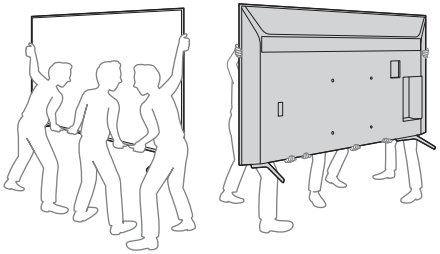
- The TV set should be installed near an easily accessible mains socket.
- Place the TV set on a stable, level surface to prevent it from falling over and causing personal injury or property damage.
- Install the TV where it cannot be pulled, pushed, or knocked over.
- Install the TV so that the TV’s Table-Top Stand does not protrude out from the TV stand (not supplied). If the Table-Top Stand protrudes out from the TV stand, it may cause TV set to topple over, fall down, and cause personal injury or damage to the TV.



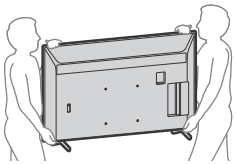
Transporting

- Before transporting the TV set, disconnect all cables.
- Two or more people (three or more people for KD-85X8xJ / 85X8xTJ) are needed to transport a large TV set.
- When transporting the TV set by hand, hold it as shown below. Do not put stress on the LCD panel and the frame around the screen.
- When lifting or moving the TV set, hold it firmly from the bottom.

KD-85X8xJ / 85X8xTJ

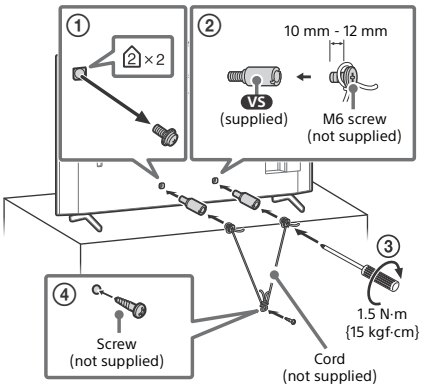


KD-75X8xJ / 75X8xTJ / 65X8xJ / 65X8xTJ / 55X8xJ / 55X8xTJ / 50X8xJ / 50X8xTJ / 43X8xJ / 43X8xTJ



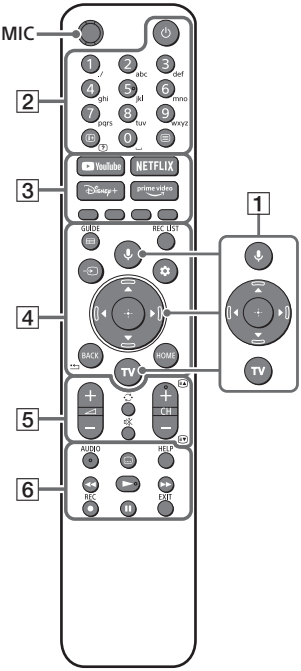
- When transporting the TV set, do not subject it to jolts or excessive vibration.
- When transporting the TV set for repairs or when moving, pack it using the original carton and packing material.

Topple prevention



Remote Control and TV

The remote control shape, layout, availability and function of remote control buttons may vary depending on your region/country/TV model/TV settings.



1 **(Microphone) / (Google Assistant):** Use Google Assistant*1*2 or voice search*2. For hints on how to control your TV, press the microphone button on the remote control and say “voice hints”.*1

▲/▼/◀/▶/⊕: On screen menu navigation and selection.

TV: Display TV channel list or switch to input.

2 **(Power)**

Number buttons

/ (Info/Text reveal): Display information.

(Text): Display text information.

3 **YouTube™ / NETFLIX / Disney+ / Prime Video / Colour buttons**

GB

4 **GUIDE/▤:** Display the digital programme guide of TV or TV box*3.

REC LIST: Display the Rec list of USB HDD*4/ DVR*3.

(Input select): Display and select the input source, etc.

(Quick settings): Display Quick Settings.

BACK/↩

HOME

5 **+/– (Volume)**

(Jump)

(Mute)*5

CH +/–/▲/▼: Select the channel, or next (▲) / previous (▼) page.

6 **AUDIO:** Select the sound of multilingual source or dual sound (depend on programme source).

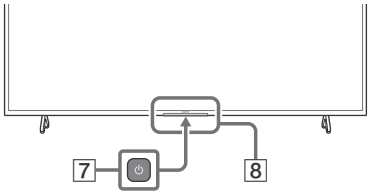
(Subtitle setting)

HELP: Display the Help menu.

◀◀/►/►►/II

● **REC:** Record the currently viewed programme on USB HDD*4/DVR*3.

EXIT



7 **(Power)**

8 **Remote Control sensor / Light sensor / LED**

*1 Only on limited region/country/TV model/ language.
*2 Google Assistant or voice search requires an Internet connection.
*3 [TV box setup] setting is required.
*4 Not available for Italy.
*5 Accessibility shortcut is available by pressing and holding (Mute).

For more information, refer to the Help Guide.

Installing the TV to the Wall

Using the optional Wall-Mount Bracket (SU-WL850 or SU-WL450)* (not supplied)

To Customers:

For product protection and safety reasons, Sony strongly recommends that installation of your TV be performed by Sony dealers or licensed contractors. Do not attempt to install it yourself.

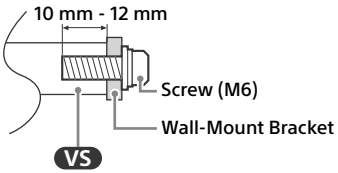
To Sony Dealers and Contractors:

Provide full attention to safety during the installation, periodic maintenance and examination of this product.

Wall-Mount Bracket Installation Information

For instructions on Wall-Mount Bracket installation, see the Installation Information (Wall-Mount Bracket) on the product page for your TV model.
https://www.sony.eu/support

- Follow the instruction guide provided with the Wall-Mount Bracket for your model. Sufficient expertise is required in installing this TV, especially to determine the strength of the wall for withstanding the TV's weight.
- Sony is not liable for any damage or injury caused by mishandling or improper installation.
- Only qualified service personnel should carry out wall-mount installations.
- For safety reasons, it is strongly recommended that you use Sony accessories, including:
  —Wall-Mount Bracket SU-WL850
  —Wall-Mount Bracket SU-WL450
- Be sure to use the screws supplied with the Wall-Mount Bracket when attaching the Wall-Mount Bracket to the TV set. The supplied screws are designed as indicated by illustration when measured from the attaching surface of the Wall-Mount Bracket.
  The diameter and length of the screws differ depending on the Wall-Mount Bracket model. Use of screws other than those supplied may result in internal damage to the TV set or cause it to fall, etc.



- Be sure to store the unused screws and Table-Top Stand in a safe place until you are ready to attach the Table-Top Stand. Keep the screws away from small children.

* Only on limited region/country/TV model.

Troubleshooting

General troubleshooting for issues like: black screen, no sound, frozen picture, TV does not respond, or network is lost, do the following steps.

1. Restart your TV by pressing the power button on the remote control for about five seconds. The TV will restart. If the TV does not recover, try unplugging the mains lead then press the power button on the TV and release it. Wait for two minutes, and plug in the mains lead. Or, press the power button on the TV for about 40 seconds until the TV turns off.
2. Refer to the Help menu by pressing **HELP** on the remote control.
3. Connect your TV to the Internet and perform a software update. Sony recommends you to keep your TV software updated. Software updates provide new features and performance improvements.
4. Visit Sony support website (information provided at the end of this manual).

When you plug in the TV, the TV may not be able to turn on for a while even if you press the power button on the remote control or the TV.

It takes time to initialize the system. Wait for about one minute, then operate it again.

The remote control does not function.

- Replace the batteries.

The parental lock password has been forgotten.

- Enter 9999 for the PIN and enter the new PIN.

For more information on troubleshooting, refer to the Help Guide.

Specifications

System

Panel system: LCD (Liquid Crystal Display) Panel, LED Backlight

TV system: Depend on your country/area selection/TV model

Analogue: B/G, D/K, I
Digital: DVB-T/DVB-C/DVB-T2
Satellite: DVB-S/DVB-S2

Colour system: PAL/SECAM/NTSC3.58 (Video only)/NTSC4.43 (Video only)

Channel coverage: Depend on your country/area selection/TV model

Analogue: UHF/VHF/Cable
Digital: UHF/VHF/Cable
Satellite: IF Frequency 950-2150 MHz

Sound output: 10 W + 10 W

Wireless technology

Protocol IEEE 802.11a/b/g/n/ac
Bluetooth® Version 4.2

Frequency band(s)

Frequency range	Output power
Wireless LAN (TV)	
2400-2483.5 MHz	< 20.0 dBm
5150-5250 MHz	< 23.0 dBm
5250-5350 MHz	< 20.0 dBm
5470-5725 MHz	< 20.0 dBm
5725-5850 MHz	< 13.9 dBm
Bluetooth® (TV)	
2400-2483.5 MHz	< 10.0 dBm
Bluetooth® (Remote control)	
2400-2483.5 MHz	< 10.0 dBm

Input/Output jacks

Antenna (aerial)/cable

75 ohm external terminal for VHF/UHF

Satellite antenna

Female F Type Connector, 75 ohm.
DiSEqC 1.0, LNB 13 V/18 V & 22 kHz tone, Single Cable Distribution EN50494.

⇦ / ⇦ AV IN

Video/Audio input (mini jack)

HDMI IN 1/2/3/4 (HDCP 2.3-compatible)
Video:
4096 × 2160p (50, 60 Hz)*1*2, 4096 × 2160p (24 Hz)*1, 3840 × 2160p (50, 60 Hz)*2, 3840 × 2160p (24, 25, 30 Hz), 1080p (30, 50, 60, 100, 120 Hz), 1080/24p, 1080i (50, 60 Hz), 720p (30, 50, 60 Hz), 720/24p, 576p, 480p, PC Formats*3
3840 × 2160p (100, 120 Hz)*2*4
Audio:
In eARC (Enhanced Audio Return Channel) mode
Refer to the online Help Guide for details.
Except eARC mode
5.1 channel linear PCM: 32/44.1/48/88.2/96/176.4/192 kHz 16/20/24 bits, Dolby Audio, Dolby Atmos, DTS
eARC/ARC (Enhanced Audio Return Channel/Audio Return Channel) (HDMI IN 3 only)*5
In eARC mode
Refer to the online Help Guide for details.
In ARC mode
Two channel linear PCM: 48 kHz 16 bits, Dolby Audio, Dolby Atmos, DTS
DIGITAL AUDIO OUT (OPTICAL)
Digital optical jack (Two channel linear PCM: 48 kHz 16 bits, Dolby Audio, DTS)
(Stereo mini jack)
Headphone
1, 2 (HDD REC)*6
USB device port (2 USB HDD device for REC feature)
USB port 1 supports High Speed USB (USB 2.0)
USB port 2 supports Super Speed USB (USB 3.1 Gen 1)
CAM (Conditional Access Module) slot
LAN
10BASE-T/100BASE-TX connector (Depending on the operating environment of the network, connection speed may differ. The communication rate and quality are not guaranteed.)

Power, Product Fiche and others

Power requirements
220 V - 240 V AC, 50 Hz
Energy Efficiency Class*7
(Except Egypt)
KD-85X8xJ / 85X8xTJ / 65X8xJ / 65X8xTJ / 55X8xJ / 55X8xTJ / 50X8xTJ: A
KD-75X8xTJ / 43X8xJ / 43X8xTJ: B
(For Egypt only)
KD-85X85TJ / 75X85TJ / 65X85TJ / 55X85TJ / 50X85TJ: D
Screen size (measured diagonally) (Approx.)
(Except Egypt)
KD-85X8xJ / 85X8xTJ: 214.8 cm / 85 inches
KD-75X8xJ / 75X8xTJ: 189.3 cm / 75 inches
KD-65X8xJ / 65X8xTJ: 163.9 cm / 65 inches
KD-55X8xJ / 55X8xTJ: 138.8 cm / 55 inches
KD-50X8xJ / 50X8xTJ: 125.7 cm / 50 inches
KD-43X8xJ / 43X8xTJ: 108.0 cm / 43 inches
(For Egypt only)
KD-85X85TJ: 85 inches / 214.8 cm
KD-75X85TJ: 75 inches / 189.3 cm
KD-65X85TJ: 65 inches / 163.9 cm
KD-55X85TJ: 55 inches / 138.8 cm
KD-50X85TJ: 50 inches / 125.7 cm
Power consumption*7
In [Standard] mode
(Except Egypt)
KD-85X8xJ / 85X8xTJ: 236 W
KD-75X8xTJ: 226 W
KD-65X8xJ / 65X8xTJ: 145 W
KD-55X8xJ / 55X8xTJ: 116 W
KD-50X8xTJ: 95 W
KD-43X8xJ / 43X8xTJ: 76 W
(For Egypt only)
KD-85X85TJ: 233.9 W
KD-75X85TJ: 226.7 W
KD-65X85TJ: 142.4 W
KD-55X85TJ: 115.1 W
KD-50X85TJ: 95.3 W
Annual energy consumption*7
(Except Egypt)*8
KD-85X8xJ / 85X8xTJ: 327 kWh per year
KD-75X8xTJ: 313 kWh per year
KD-65X8xJ / 65X8xTJ: 201 kWh per year
KD-55X8xJ / 55X8xTJ: 161 kWh per year
KD-50X8xTJ: 132 kWh per year
KD-43X8xJ / 43X8xTJ: 105 kWh per year
(For Egypt only)*9
KD-85X85TJ: 649 kWh per year
KD-75X85TJ: 629 kWh per year
KD-65X85TJ: 396 kWh per year
KD-55X85TJ: 320 kWh per year
KD-50X85TJ: 265 kWh per year
Standby power consumption*7*10*11
0.50 W (25 W in software/EPG update mode)
Display resolution (horizontal × vertical) (pixels)
3840 × 2160
Output rating
500 mA (for USB 1), 900 mA (for USB 2)

Dimensions (Approx.) (w × h × d) (cm)

with Table-Top Stand
- KD-85X85J / 85X85TJ: 189.9 × 117.6 × 45.6
- KD-75X89J: 167.5 × 103.4 × 41.5
- KD-75X85J / 75X85TJ: 167.5 × 104.0 × 41.0
- KD-65X89J: 145.2 × 90.3 × 35.4
- KD-65X85J / 65X85TJ: 145.2 × 90.5 × 33.8
- KD-55X89J: 123.3 × 78.3 × 32.4
- KD-55X85J / 55X85TJ: 123.3 × 78.4 × 33.8
- KD-50X89J: 111.9 × 71.3 × 29.6
- KD-50X85J / 50X85TJ: 111.9 × 71.5 × 28.6
- KD-43X89J: 96.4 × 62.6 × 29.6
- KD-43X85J / 43X85TJ: 96.4 × 62.8 × 28.6

without Table-Top Stand
- KD-85X8xJ / 85X8xTJ: 189.9 × 108.9 × 7.1
- KD-75X8xJ / 75X8xTJ: 167.5 × 96.2 × 7.3
- KD-65X8xJ / 65X8xTJ: 145.2 × 83.4 × 7.2
- KD-55X8xJ / 55X8xTJ: 123.3 × 71.1 × 7.2
- KD-50X8xJ / 50X8xTJ: 111.9 × 64.9 × 7.0
- KD-43X8xJ / 43X8xTJ: 96.4 × 56.3 × 6.9

Stand width (Approx.) (cm)

Standard position:
- KD-85X85J / 85X85TJ: 153.2
- KD-75X89J: 167.4
- KD-75X85J / 75X85TJ: 133.0
- KD-65X89J: 145.0
- KD-65X85J / 65X85TJ: 120.8
- KD-55X89J: 123.0
- KD-55X85J / 55X85TJ: 106.1
- KD-50X89J: 111.7
- KD-50X85J / 50X85TJ: 66.5
- KD-43X89J: 96.2
- KD-43X85J / 43X85TJ: 66.5

Narrow position:
- KD-85X85J / 85X85TJ: 66.0
- KD-75X89J: 108.2
- KD-75X85J / 75X85TJ: 55.9
- KD-65X89J: 89.9
- KD-65X85J / 65X85TJ: 46.0
- KD-55X89J: 82.1
- KD-55X85J: 45.8

Mass (Approx.) (kg)

with Table-Top Stand
- KD-85X85J / 85X85TJ: 46
- KD-75X89J: 34.7
- KD-75X85J / 75X85TJ: 33.8
- KD-65X89J: 23.8
- KD-65X85J / 65X85TJ: 23
- KD-55X89J: 18.1
- KD-55X85J / 55X85TJ: 17.7
- KD-50X89J: 13.9
- KD-50X85J / 50X85TJ: 13.3
- KD-43X89J: 11.2
- KD-43X85J / 43X85TJ: 10.7

without Table-Top Stand
- KD-85X8xJ / 85X8xTJ: 44.5
- KD-75X8xJ / 75X8xTJ: 32.6
- KD-65X8xJ / 65X8xTJ: 22.1
- KD-55X8xJ / 55X8xTJ: 16.8
- KD-50X8xJ / 50X8xTJ: 12.7
- KD-43X8xJ / 43X8xTJ: 10.2

Others

Optional accessories
- Wall-Mount Bracket: SU-WL850 (KD-75X8xJ / 75X8xTJ / 65X8xJ / 65X8xTJ / 55X8xJ / 55X8xTJ only)
- Wall-Mount Bracket: SU-WL450

Operating temperature: 0 ºC – 40 ºC

Operating humidity: 10 % – 80 % RH (non-condensing)

*1 When 4096 × 2160p is input and [Wide mode] is set to [Normal], the resolution is displayed as 3840 × 2160p. To display 4096 × 2160p, set [Wide mode] setting to [Full 1] or [Full 2].
*2 Refer to the on screen menu to set [HDMI signal format].
*3 Refer to the online Help Guide for details.
*4 HDMI IN 3 & 4 only. Use the Ultra High Speed HDMI Cable to connect.
*5 Connect your audio system to the HDMI IN 3 to route TV audio to your audio system.
*6 Function not available in Italy.
*7 This information is for EU and other countries whose relevant regulation is based on EU energy labelling regulation.
*8 Energy consumption in kWh per year, based on the power consumption of the television operating 4 hours per day for 365 days. The actual energy consumption will depend on how the television is used.
*9 Energy consumption in kWh per year, based on the power consumption of the television operating 8 hours per day for 365 days. The actual energy consumption will depend on how the television is used.
*10 Specified standby power is reached after the TV finishes necessary internal processes.
*11 Standby power consumption will increase when your TV is connected to the network.

Note
- Optional accessories availability depends on countries/region/TV model/stock.
- Design and specifications are subject to change without notice.
- Subscriptions for services and applications may be required and additional terms, conditions and/or charges may apply when using Google Assistant.
- Product fiche in this manual is for COMMISSION DELEGATED REGULATION (EU) 1062/2010. Refer to its website for (EU) 2019/2013 information.

Notes on Digital TV function

- Digital TV (DVB terrestrial, satellite and cable), interactive services and network functions may not be available in all countries or areas. Some functions might not be enabled or might not operate correctly with some providers and network environments. Some TV service providers may charge a fee for their services.
- This TV supports digital broadcasting using MPEG-2, H.264/MPEG-4 AVC and H.265/HEVC codecs, but compatibility with all operator/ service signals, which may change over time, cannot be guaranteed.

Trademark information

- The terms HDMI, HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.
- Dolby, Dolby Vision, Dolby Atmos, Dolby Audio, and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. Manufactured under license from Dolby Laboratories. Confidential unpublished works. Copyright © 1992-2020 Dolby Laboratories. All rights reserved.
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Product registration number (COMMISSION DELEGATED REGULATION (EU) 2019/2013)

KD-85X85J (436516), KD-75X89J (436514), KD-75X85J (436475), KD-65X89J (454679), KD-65X85J (454669), KD-55X89J (454665), KD-55X85J (454658), KD-50X89J (454653), KD-50X85J (454646), KD-43X89J (454643), KD-43X85J (454633).

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